

Experiment Number: 99930-98

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Endocrine disruptor (Genistein)

CAS Number: 446-72-0

Date Report Requested: 10/18/2014

Time Report Requested: 23:43:40

First Dose M/F: NA / NA

Lab: NCTR

C Number: MG96005

Lock Date: Not Entered.

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

PWG Approval Date NONE

Experiment Number: 99930-98

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/18/2014

Test Type: SPECIAL STUDY

Test Compound: Endocrine disruptor (Genistein)

Time Report Requested: 23:43:40

Route: DOSED FEED

CAS Number: 446-72-0

First Dose M/F: NA / NA

Species/Strain: Rat/CD

Lab: NCTR

CD Rat Male F1 0 PPM	DAY ON TEST	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																			
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																			
		5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6																			
		9 9 9 9 9 2 1 1 1 1 1 2 2 1 1 1 1 1 4 4 4 3 2 2																			
		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																			
*TOTALS																					

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	26
Hemorrhage																						1 1.0
Hepatodiaphragmatic Nodule																						1
Inflammation, Chronic	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	22 1.0
Necrosis		2	1																			1 5 1.2
Vacuolization Cytoplasmic		1					1		1	1												8 1.0

Cardiovascular System

NONE

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	26
Accessory Adrenal Cortical Nodule																						2
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	26
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	26
Mineralization																						1 1.0
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	26

General Body System

NONE

Genital System

Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	26
-------------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

M ..Missing tissue

X ..Lesion present

A ..Autolysis precludes evaluation

I ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99930-98

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/18/2014

Test Compound: Endocrine disruptor (Genistein)

Time Report Requested: 23:43:41

CAS Number: 446-72-0

First Dose M/F: NA / NA

Lab: NCTR

CD Rat Male F1 0 PPM	DAY ON TEST																					*TOTALS	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6		
		9	9	9	9	9	2	1	1	1	1	1	2	2	1	1	1	1	4	4	4		
ANIMAL ID		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4		
		7	7	7	7	7	1	1	1	1	1	1	8	8	8	9	9	9	0	0	3		
		3	4	5	6	7	3	4	5	6	7	8	9	7	8	9	0	1	2	6	7	9	
Epididymis		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	26	
Hypospermia																							1 4.0
Infiltration Cellular, Lymphocyte																							2 1.0
Prostate																							3
Prostate, Dorsal Lobe		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		26
Inflammation, Chronic																							1 8 1.3
Inflammation, Suppurative																							8 2.0
Prostate, Ventral Lobe		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		26
Inflammation, Chronic																							20 1.6
Rete Testes		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		26
Seminal Vesicle		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		26
Testes		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		26
Seminif Tub, Degeneration																							1 4.0
Hematopoietic System																							
Bone Marrow		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		26
Spleen		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		26
Adventitia, Inflammation, Chronic																							1 2.0
Pigmentation		1		1		1																	6 1.0
Red Pulp, Fibrosis																							1 2.0
Thymus		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		26
Hemorrhage																							3 1 3.0
Integumentary System																							
* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade																							
+ ..Tissue examined microscopically																							
X ..Lesion present																							
I ..Insufficient tissue																							
M ..Missing tissue																							
A ..Autolysis precludes evaluation																							
BLANK ..Not examined microscopically																							
1-4 ..Lesion qualified as:																							
1) Minimal 3) Moderate																							
2) Mild 4) Marked																							

Experiment Number: 99930-98

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/18/2014

Test Compound: Endocrine disruptor (Genistein)

Time Report Requested: 23:43:41

CAS Number: 446-72-0

First Dose M/F: NA / NA

Lab: NCTR

CD Rat Male F1 0 PPM	DAY ON TEST																					*TOTALS		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
		5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
		9	9	9	9	9	2	1	1	1	1	1	2	2	1	1	1	1	4	4	4			
ANIMAL ID		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*TOTALS		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
		2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4			
		7	7	7	7	7	1	1	1	1	1	1	1	1	8	8	8	9	9	0	0			
		3	4	5	6	7	3	4	5	6	7	8	9	7	8	9	0	1	2	6	7	9		
Mammary Gland																							26	
Alveolus, Hyperplasia																							1 1.0	
Skin																							26	
Musculoskeletal System																							26	
Bone, Femur																							26	
Nervous System																							26	
NONE																							26	
Respiratory System																							26	
NONE																							26	
Special Senses System																							26	
NONE																							26	
Urinary System																							26	
Kidney																							26	
Casts Protein																							1 1.0	
Inflammation, Chronic																							16 1.0	
Renal Tubule, Dilatation																							5 1.2	
Renal Tubule, Mineralization																							1 1.0	
Renal Tubule, Regeneration																							6 1.0	

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

M ..Missing tissue

X ..Lesion present

A ..Autolysis precludes evaluation

I ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99930-98

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Endocrine disruptor (Genistein)

CAS Number: 446-72-0

Date Report Requested: 10/18/2014

Time Report Requested: 23:43:41

First Dose M/F: NA / NA

Lab: NCTR

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

M ..Missing tissue

X ..Lesion present

A ..Autolysis precludes evaluation

| ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99930-98

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/18/2014

Test Compound: Endocrine disruptor (Genistein)

Time Report Requested: 23:43:41

CAS Number: 446-72-0

First Dose M/F: NA / NA

Lab: NCTR

CD Rat Male F1 5 PPM	DAY ON TEST																						
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	ANIMAL ID	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
		9	9	9	9	9	1	1	1	1	2	2	2	2	2	1	1	3	3	3	3	1	
Rete Testes		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25	
Seminal Vesicle		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25	
Dilatation																						2 2.0	
Testes		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25	
Seminif Tub, Degeneration		4																				1 2 2.5	
Hematopoietic System																							
NONE																							
Integumentary System																							
Mammary Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	24	
Duct, Hyperplasia																						1 1 1.0	
Musculoskeletal System																							
NONE																							
Nervous System																							
NONE																							
Respiratory System																							
NONE																							
Special Senses System																							
NONE																							
Urinary System																							

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

M ..Missing tissue

X ..Lesion present

A ..Autolysis precludes evaluation

I ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99930-98

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

Date Report Requested: 10/18/2014

Time Report Requested: 23:43:41

First Dose M/F: NA / NA

Lab: NCTR

CD Rat Male
F1 5 PPM

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

M ..Missing tissue

1-4 „Lesion qualified as:

X ..Lesion present

A ..Autolysis precludes evaluation

1) Minimal 3) Moderate

I ..Insufficient tissue

BLANK ..Not examined microscopically

2) Mild 4) Marked

Experiment Number: 99930-98

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/18/2014

Test Compound: Endocrine disruptor (Genistein)

Time Report Requested: 23:43:41

CAS Number: 446-72-0

First Dose M/F: NA / NA

Lab: NCTR

CD Rat Male F1 100 PPM	DAY ON TEST	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																				
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																				
		5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6																				
		9 9 9 9 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0																				
		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																				
ANIMAL ID		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																				
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																				
2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 4		4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4																				
8 8 8 8 2 2 2 2 2 2 3 3 3 3 3 3 3 9 9 0 0 0 1 1 1		5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5																				
3 4 5 6 5 6 7 8 9 0 1 2 8 9 0 1 2 1 2 2 3 4 5 6 7		3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3																				

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25
Infiltration Cellular, Lymphocyte																					1 1.0
Prostate																					5
Prostate, Dorsal Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25
Epithelium, Hyperplasia																					1 1.0
Inflammation, Chronic	1	1	1																		5 1.0
Inflammation, Suppurative	1	2	2	1																	12 1.5
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25
Inflammation, Chronic	1	2	1	1	1	1	1	3	1	2	3	1	1	2	1	2	1	2	1	2	18 1.5
Inflammation, Suppurative								2	1												2 1.5

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

M ..Missing tissue

X ..Lesion present

A ..Autolysis precludes evaluation

I ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99930-98

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/18/2014

Test Compound: Endocrine disruptor (Genistein)

Time Report Requested: 23:43:42

CAS Number: 446-72-0

First Dose M/F: NA / NA

Lab: NCTR

CD Rat Male F1 100 PPM	DAY ON TEST																					*TOTALS		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
		5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
		9	9	9	9	2	1	1	1	1	1	1	2	2	2	1	0	0	3	3	3			
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4		
		8	8	8	8	2	2	2	2	3	3	3	3	3	9	9	0	0	1	1	5	5		
		3	4	5	6	5	6	7	8	9	0	1	2	8	9	0	1	2	1	2	3	4		
Kidney		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25		
Infiltration Cellular, Lymphocyte																							1	
Inflammation, Chronic		1	1	1	1		1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	19	
Pelvis, Dilatation																							2.0	
Renal Tubule, Dilatation																							2.5	
Renal Tubule, Mineralization						1		1		1		1		1				1		1	1		8	
Renal Tubule, Regeneration						1		1		1		1		1					1		1	1		8
																							1.0	
																							1.0	

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

M ..Missing tissue

X ..Lesion present

A ..Autolysis precludes evaluation

I ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99930-98

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/18/2014

Test Type: SPECIAL STUDY

Test Compound: Endocrine disruptor (Genistein)

Time Report Requested: 23:43:42

Route: DOSED FEED

CAS Number: 446-72-0

First Dose M/F: NA / NA

Species/Strain: Rat/CD

Lab: NCTR

Alimentary System

Cardiovascular System

NONE

Endocrine System

General Body System

NONE

Genital System

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

M ..Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A ..Autolysis precludes evaluation

1) Minimal 3) Moderate

| ..Insufficient tissue

BLANK ..Not examined microscopically

2) Mild 4) Marked

Experiment Number: 99930-98

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/18/2014

Test Compound: Endocrine disruptor (Genistein)

Time Report Requested: 23:43:42

CAS Number: 446-72-0

First Dose M/F: NA / NA

Lab: NCTR

CD Rat Male F1 500 PPM	DAY ON TEST																					*TOTALS	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	ANIMAL ID	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
		9	9	9	9	9	9	9	8	2	2	1	1	2	0	9	2	2	0	1	1	3	3
		7	8	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
Infiltration Cellular, Lymphocyte																							
Preputial Gland																							
Inflammation, Chronic																							
Prostate																							
Prostate, Dorsal Lobe																							
Inflammation, Chronic																							
Inflammation, Suppurative																							
Prostate, Ventral Lobe																							
Inflammation, Chronic																							
Inflammation, Suppurative																							
Rete Testes																							
Seminal Vesicle																							
Dilatation																							
Testes																							
Seminif Tub, Degeneration																							
Hematopoietic System																							
Bone Marrow																							
Spleen																							
Hyperplasia, Stromal																							
Pigmentation																							
Thymus																							
Hemorrhage																							

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

M ..Missing tissue

X ..Lesion present

A ..Autolysis precludes evaluation

I ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

- 1) Minimal 3) Moderate
- 2) Mild 4) Marked

Experiment Number: 99930-98

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/18/2014

Test Compound: Endocrine disruptor (Genistein)

Time Report Requested: 23:43:42

CAS Number: 446-72-0

First Dose M/F: NA / NA

Lab: NCTR

CD Rat Male
F1 500 PPM

DAY ON TEST																				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	6	6	6	6	6	6	6	5	6	6	6	6	6
	9	9	9	9	9	9	9	8	2	2	1	1	1	2	0	9	2	2	0	1
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	3	3	3	3	3	3	4	4	4	4	4	4	4
	8	8	8	9	9	9	9	9	3	3	3	3	3	3	0	0	1	1	1	5
	7	8	9	0	1	2	3	4	3	4	5	6	7	3	4	5	3	4	5	6
																				*TOTALS
Epithelium, Hyperplasia																				1 1.0
Inflammation, Chronic																				22 1.1
Renal Tubule, Dilatation																				8 1.8
Renal Tubule, Mineralization																				15 1.7
Renal Tubule, Regeneration																				19 1.2
Renal Tubule, Vacuolization Cytoplasmic																				1 1.0

END OF MALE DATA

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99930-98

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/18/2014

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

Test Compound: Endocrine disruptor (Genistein)

CAS Number: 446-72-0

Time Report Requested: 23:43:42

First Dose M/F: NA / NA

Lab: NCTR

Alimentary System

Cardiovascular System

Heart + 1
Cardiomyopathy, Focal 2 1 2.0
Endocrine System

Endocrine System

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

M ..Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A ..Autolysis precludes evaluation

1) Minimal 3) Moderate

| ..Insufficient tissue

BLANK ..Not examined microscopically

2) Mild 4) Marked

Experiment Number: 99930-98

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/18/2014

Test Compound: Endocrine disruptor (Genistein)

Time Report Requested: 23:43:43

CAS Number: 446-72-0

First Dose M/F: NA / NA

Lab: NCTR

CD Rat Female F1 0 PPM	DAY ON TEST																					*TOTALS	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	ANIMAL ID	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		4	5	5	6	5	5	5	5	6	5	5	5	5	5	6	6	6	6	6	6	6	6
		5	9	7	0	9	9	9	8	8	0	9	9	9	9	0	0	0	3	3	3	2	4
Autolysis		2																					1 2.0
Pituitary Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25
Autolysis		2																					1 2.0
Rathkes Cleft, Cyst																						X	1
Thyroid Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25
Autolysis		2																					1 2.0
Bilateral, Ultimobranchial Cyst																						X	1
General Body System																							
NONE																							
Genital System																							
Clitoral Gland		A																					0
Ovary		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25
Autolysis		1																					1 1.0
Diestrus			X	X												X	X		X	X	X	X	8
Estrus						X			X	X	X	X				X			X		X		7
Metestrus							X																1
Proestrus			X			X	X	X		X						X		X			X		8
Oviduct			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25
Uterus			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25
Autolysis		2																					1 2.0
Decidual Reaction			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	22
Diestrus			X	X												X	X		X	X	X	X	8

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

M ..Missing tissue

X ..Lesion present

A ..Autolysis precludes evaluation

I ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99930-98

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Endocrine disruptor (Genistein)

CAS Number: 446-72-0

Date Report Requested: 10/18/2014

Time Report Requested: 23:43:43

First Dose M/F: NA / NA

Lab: NCTR

CD Rat Female F1 0 PPM	DAY ON TEST																							
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	ANIMAL ID	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		4	5	5	6	5	5	5	5	6	5	5	5	5	5	6	6	6	6	6	6	6	6	
		5	9	7	0	9	9	9	8	8	0	9	9	9	9	0	0	0	3	3	3	2	4	
Estrus		X		X		X		X		X		X		X		X		X		X		X	6	
Metestrus																							2	
Proestrus		X		X	X			X		X													8	
Vagina		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25	
Autolysis		2																					1 2.0	
Diestrus			X	X												X	X		X	X	X	X	8	
Estrus		X		X	X			X		X	X	X				X		X		X		X	9	
Metestrus						X										X							2	
Proestrus						X										X		X					5	
Hematopoietic System																								
Bone Marrow		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25	
Lymph Node, Mandibular		+																						1
Autolysis		3																						1 3.0
Lymph Node, Mesenteric		+																						1
Autolysis		2																						1 2.0
Spleen		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25	
Autolysis		2																						1 2.0
Thymus		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25	
Integumentary System																								
Mammary Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	24	
Alveolus, Hyperplasia		4	1		1	2	1			3							2				1		8 1.9	
Galactocele																					X		1	

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

M ..Missing tissue

X ..Lesion present

A ..Autolysis precludes evaluation

I ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99930-98

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

Test Compound: Endocrine disruptor (Genistein)

Date Report Requested: 10/18/2014

Time Report Requested: 23:43:43

First Dose M/F: NA / NA

Lab: NCTR

CD Rat Female
F1 0 PPM

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

M ..Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A ..Autolysis precludes evaluation

1) Minimal 3) Moderate

| ..Insufficient tissue

BLANK ..Not examined microscopically

2) Mild 4) Marked

Experiment Number: 99930-98

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/18/2014

Test Type: SPECIAL STUDY

Test Compound: Endocrine disruptor (Genistein)

Time Report Requested: 23:43:43

Route: DOSED FEED

CAS Number: 446-72-0

First Dose M/F: NA / NA

Species/Strain: Rat/CD

Lab: NCTR

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

M ..Missing tissue

1-4 „Lesion qualified as:

X ..Lesion present

A ..Autolysis precludes evaluation

1) Minimal 3) Moderate

| ..Insufficient tissue

BLANK ..Not examined microscopically

2) Mild 4) Marked

Experiment Number: 99930-98

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/18/2014

Test Compound: Endocrine disruptor (Genistein)

Time Report Requested: 23:43:44

CAS Number: 446-72-0

First Dose M/F: NA / NA

Lab: NCTR

CD Rat Female F1 5 PPM	DAY ON TEST	Lesion Data																				*TOTALS			
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*TOTALS		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Endometrium, Inflammation, Diffuse		X	X			X		X	X			X											2		
Estrus																							X	8	
Inflammation, Chronic Active, Focal																							3	1 3.0	
Metestrus																							X X X X	5	
Proestrus						X	X	X	X			X	X	X			X	X					9		
Vagina		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25		
Diestrus							X																	1	
Estrus		X	X			X		X	X	X	X		X										X	10	
Infiltration Cellular, Polymorphnucle																								2	1 2.0
Metestrus																	X						X X X X	6	
Proestrus					X	X	X	X									X		X					7	
Hematopoietic System																									
NONE																									
Integumentary System																									
Mammary Gland																									
Alveolus, Hyperplasia																									
Lobules, Hyperplasia																									
Musculoskeletal System																									
NONE																									
Nervous System																									
NONE																									

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

M ..Missing tissue

X ..Lesion present

A ..Autolysis precludes evaluation

I ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99930-98

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Endocrine disruptor (Genistein)

CAS Number: 446-72-0

Date Report Requested: 10/18/2014

Time Report Requested: 23:43:44

First Dose M/F: NA / NA

Lab: NCTR

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

M ..Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A ..Autolysis precludes evaluation

1) Minimal 3) Moderate

| ..Insufficient tissue

BLANK ..Not examined microscopically

2) Mild 4) Marked

Experiment Number: 99930-98

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/18/2014

Test Compound: Endocrine disruptor (Genistein)

Time Report Requested: 23:43:44

CAS Number: 446-72-0

First Dose M/F: NA / NA

Lab: NCTR

CD Rat Female F1 100 PPM	DAY ON TEST	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																																								
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																																								
		5 5 6 5 5 5 6 6 5 5 5 5 5 5 5 5 5 5 5 5 5 6 6 6 6																																								
		9 9 0 9 9 9 0 0 9 9 9 9 9 9 9 9 9 9 9 9 3 3 3 3																																								
		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																																								
ANIMAL ID																																										
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																																										
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																																										
2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 4 4 4																																										
6 6 0 0 0 1 4 4 5 5 5 5 6 6 6 6 6 6 6 6 3 3 3 3																																										
6 7 7 8 9 0 8 9 0 1 2 2 3 4 5 6 7 8 9 1 2 3 4 5 6																																										

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25	
Diestrus	X																				X X	4
Estrus								X		X	X										X X	6
Metestrus		X		X	X																X	7
Proestrus	X		X		X		X														X	7
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25	
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25	
Decidual Reaction	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	21	
Diestrus	X									X											X X	4
Estrus									X	X			X	X							X X	7
Metestrus	X		X	X	X																X	7

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

M ..Missing tissue

X ..Lesion present

A ..Autolysis precludes evaluation

I ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99930-98

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/18/2014

Test Compound: Endocrine disruptor (Genistein)

Time Report Requested: 23:43:44

CAS Number: 446-72-0

First Dose M/F: NA / NA

Lab: NCTR

CD Rat Female
F1 100 PPM

DAY ON TEST																				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5	5	6	5	5	5	6	5	5	5	5	5	5	5	5	5	5	5	6	6
	9	9	0	9	9	9	0	0	9	9	9	9	9	9	9	9	9	9	3	3
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4
	6	6	0	0	0	1	4	4	5	5	5	6	6	6	6	6	6	3	3	3
	6	7	7	8	9	0	8	9	0	1	2	2	3	4	5	6	7	8	9	1

*TOTALS

Proestrus	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	7	
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25	
Diestrus	X																				4
Estrus								X	X			X	X								7
Metestrus		X	X	X						X	X	X									7
Proestrus	X		X		X				X				X	X							7

Hematopoietic System

NONE

Integumentary System

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25
Alveolus, Hyperplasia	2	1	1		1	2		3		1	2	1	3	1	1	3	2			14 1.7
Galactocele									X											1
Lobules, Hyperplasia															2					2 1.5
Skin																		+		1
Lip, Abscess																	X			1

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

M ..Missing tissue

X ..Lesion present

A ..Autolysis precludes evaluation

I ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99930-98

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Endocrine disruptor (Genistein)

CAS Number: 446-72-0

Date Report Requested: 10/18/2014

Time Report Requested: 23:43:44

First Dose M/F: NA / NA

Lab: NCTR

NONE

Special Senses System

NONE

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	24	
Inflammation, Chronic Active																					1 1.0
Mineralization	1	3	2	1	1	3		1	1	1	1	2	2	2	1	3	1	1	4	3	1 3 2 22 1.8

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

M ..Missing tissue

1-4 „Lesion qualified as:

X ..Lesion present

A ..Autolysis precludes evaluation

1) Minimal 3) Moderate

I ..Insufficient tissue

BLANK ..Not examined microscopically

2) Mild 4) Marked

Experiment Number: 99930-98

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

Test Compound: Endocrine disruptor (Genistein)

Date Report Requested: 10/18/2014

Time Report Requested: 23:43:44

First Dose M/F: NA / NA

Lab: NCTR

**CD Rat Female
F1 500 PPM**

DAY ON TEST

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	5	5	5	5	6	5	5	5	5	5	5	5	5	6	6	6	5	5	5	6
9	9	9	9	8	0	9	9	9	8	8	8	8	1	1	1	0	9	9	9	1
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4
6	6	7	7	7	1	1	5	5	5	5	5	5	7	7	7	7	7	7	7	3
8	9	0	1	2	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	3

***TOTALS**

Alimentary System

Cardiovascular System

NONE

Endocrine System

General Body System

NONE

Genital System

* ..Total animals with tissue examined microscopically: Total animals with lesion and mean severity grade

± ..Tissue examined microscopically

M ..Missing tissue

X ..Lesion present

| ..Insufficient tissue

A ..Autolysis precludes evaluation

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99930-98

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Endocrine disruptor (Genistein)

CAS Number: 446-72-0

Date Report Requested: 10/18/2014

Time Report Requested: 23:43:44

First Dose M/F: NA / NA

Lab: NCTR

CD Rat Female F1 500 PPM	DAY ON TEST	Lesion Data																				*TOTALS		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	ANIMAL ID	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		5	5	5	5	5	6	5	5	5	5	5	5	6	6	6	5	5	5	5	5	6	6	
		9	9	9	9	8	0	9	9	9	8	8	8	1	1	1	1	1	1	1	1	1	0	
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25		
Cyst							X																1	
Diestrus		X						X	X	X				X	X	X							8	
Estrus		X				X		X															5	
Metestrus			X								X			X									5	
Proestrus				X	X	X						X			X								7	
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25	
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25	
Decidual Reaction	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	20	
Diestrus		X				X	X				X	X		X	X									7
Endometrium, Dilatation																								1 1.0
Estrus	X			X	X																			5
Metestrus			X								X			X										5
Proestrus				X	X	X					X			X										8
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25	
Diestrus		X					X	X			X	X		X	X									7
Estrus			X	X	X		X																	5
Metestrus	X	X						X	X		X	X												6
Proestrus				X	X			X	X		X	X		X										7
Hematopoietic System																								
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25	

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

M ..Missing tissue

X ..Lesion present

A ..Autolysis precludes evaluation

I ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99930-98

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/18/2014

Test Compound: Endocrine disruptor (Genistein)

Time Report Requested: 23:43:45

CAS Number: 446-72-0

First Dose M/F: NA / NA

Lab: NCTR

CD Rat Female F1 500 PPM	DAY ON TEST	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																						
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																						
ANIMAL ID	5 5 5 5 5 6 5 5 5 5 5 5 5 5 6 6 6 5 5 5 5 5 6 6																							
	9 9 9 9 8 0 9 9 9 8 8 8 8 1 1 0 9 9 9 9 9 9 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																						
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25	
Integumentary System																								
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25	
Alveolus, Hyperplasia	1	2	1																					8 1.4
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25	
Musculoskeletal System																								
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25	
Nervous System																								
NONE																								
Respiratory System																								
NONE																								
Special Senses System																								
NONE																								
Urinary System																								
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25	
Cyst, Multiple																								1
Mineralization	1	3	2	2	1	2	1	3	4	3	1	1	3	1	1	1	1	1	4	2	2	3	1	1.9
Nephropathy																								2 1.5
Pelvis, Dilatation																								1 3.0

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

M ..Missing tissue

X ..Lesion present

A ..Autolysis precludes evaluation

I ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99930-98

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Endocrine disruptor (Genistein)

CAS Number: 446-72-0

Date Report Requested: 10/18/2014

Time Report Requested: 23:43:45

First Dose M/F: NA / NA

Lab: NCTR

** END OF REPORT **

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

M ..Missing tissue

X ..Lesion present

A ..Autolysis precludes evaluation

I ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

- 1) Minimal 3) Moderate
- 2) Mild 4) Marked